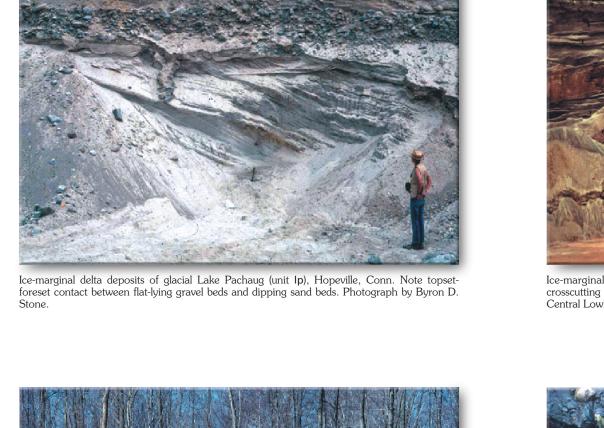
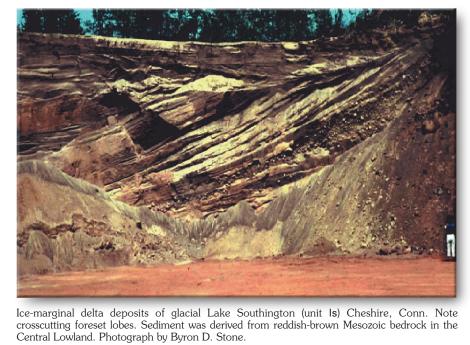
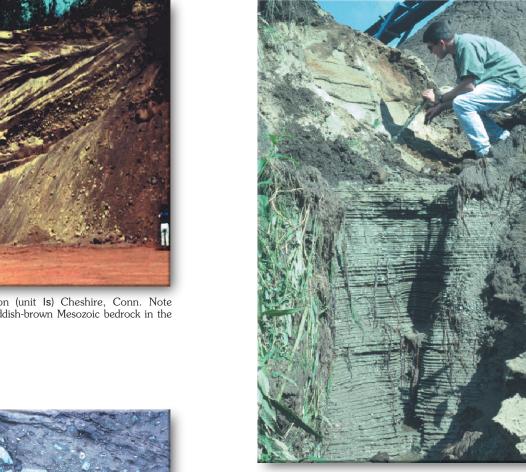


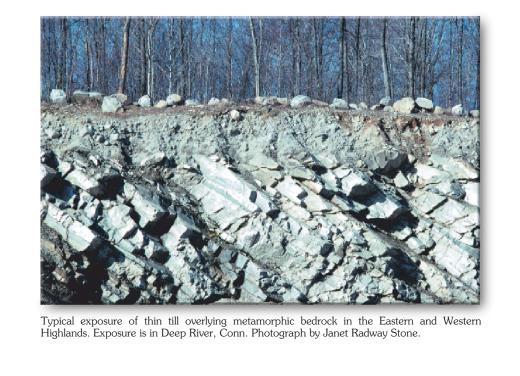
Figure 4.—Major glacial lakes in Connecticut and selected ice-margin positions during late Wisconsinan deglaciation. See discussion of

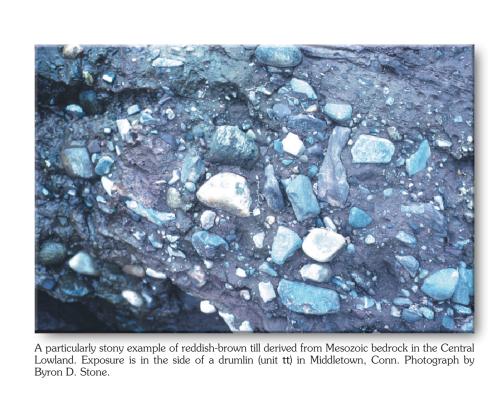
glacial-lake history in accompanying text. The distribution of the Ronkonkoma moraine is from Fuller (1914).

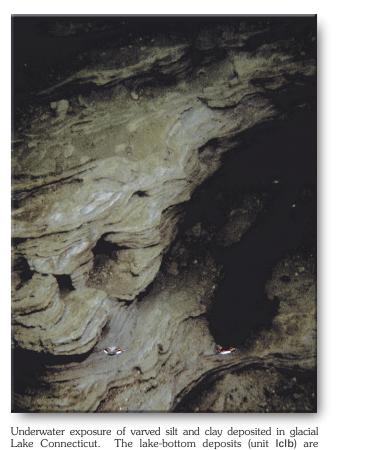


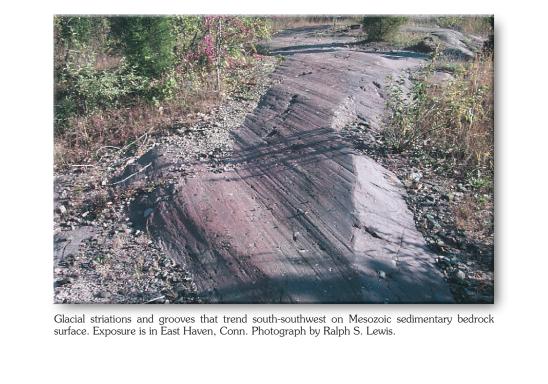


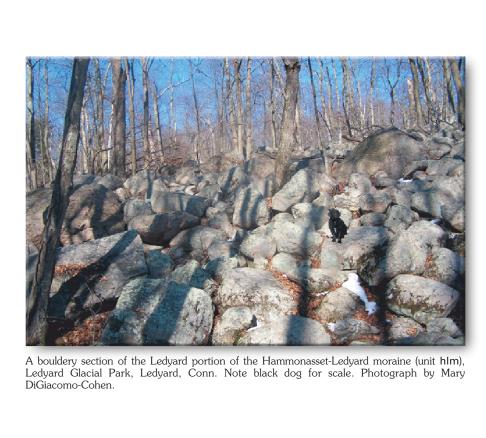


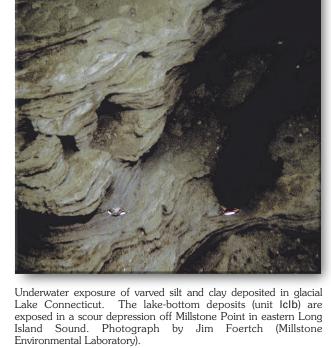












bottom deposits of glacial Lake Hitchcock (unit IhIb), East Hartford, Conn. Photograph by Janet Radway Stone.

Age (10³) ¹⁴C yr BP 6 7 8 9 10 11 12 13 14 15 16 Eustatic sea level <a> Bard and others (1990) 3 6 9 12 15 18 Age (10³) Cal yr BP

Figure 5.—Relative sea-level curve for central Long Island Sound (LIS) generated using the Barbados eustatic sea-level curve of Bard and others (1990, 1993) and reasonable estimates of the amount, duration, and recovery of glacio-isostatic depression in the region. The Barbados sea-level curve is shown using U-Th ages which are believed to more closely represent calendar years than ¹⁴C ages. Calibrated time-scale from Stuiver and Reimer (1993, CALIB version 4.4). The following assumptions were made in constructing the glacio-isostatic uplift curve: (1) glacioisostatic uplift began shortly before 16,500 calandar years ago; this timing is based on a radiocarbon date of 13,540±90 years BP (before present) that records the initiation of glacial Lake Hitchcock drainage (see discussion in text); (2) the maximum depression in central Long Island Sound was about 100 m; and (3) the exponential curve of glacio-isostatic uplift was calculated using a half-life of 1,750 years. The relative sea-level curve was generated by adding the amount of the depression to the altitude of eustatic sea-level at each point in time.

movement across the State. (See discussion of mineral composition of glacial deposits in text.)

Figure 3.—Generalized bedrock lithologic map of Connecticut and Long Island Sound Basin. The color and composition of glacial

deposits is a result of the lithologic characteristics of subjacent and northerly adjacent rock types. Arrows indicate the direction of ice

